

**Table 23B: Derivative financial instruments traded on organised exchanges****By instrument and location**

Number of contracts in millions

Instrument / location	Contracts outstanding				Turnover					
	Dec 2011	Dec 2012	Mar 2013	Jun 2013	2011	2012	Q3 2012	Q4 2012	Q1 2013	Q2 2013
<b>Futures</b>										
<b>All markets</b>	<b>91.3</b>	<b>83.7</b>	<b>87.5</b>	<b>86.9</b>	<b>7,340.0</b>	<b>6,220.7</b>	<b>1,521.6</b>	<b>1,491.4</b>	<b>1,705.8</b>	<b>2,025.5</b>
Interest rate	65.0	55.2	57.9	57.6	2,840.5	2,399.6	573.7	538.1	697.4	826.9
Currency	8.6	10.4	10.8	10.6	1,788.5	1,455.3	381.7	399.5	422.8	485.3
Equity index	17.7	18.1	18.8	18.6	2,711.0	2,365.8	566.2	553.7	585.6	713.3
<b>North America</b>	<b>42.6</b>	<b>28.6</b>	<b>30.4</b>	<b>27.6</b>	<b>2,402.8</b>	<b>1,947.9</b>	<b>453.1</b>	<b>442.7</b>	<b>517.6</b>	<b>638.9</b>
Interest rate	36.5	21.7	22.8	21.1	1,344.2	1,070.0	244.6	230.3	297.7	372.5
Currency	1.7	2.0	2.2	1.8	238.8	220.5	55.0	50.4	62.1	69.4
Equity index	4.4	4.9	5.3	4.8	819.8	657.4	153.4	162.0	157.7	197.0
<b>Europe</b>	<b>20.2</b>	<b>22.5</b>	<b>24.8</b>	<b>23.3</b>	<b>2,406.4</b>	<b>2,153.5</b>	<b>552.0</b>	<b>498.8</b>	<b>569.9</b>	<b>640.7</b>
Interest rate	9.7	11.6	12.9	12.2	985.6	780.2	193.2	172.5	253.2	251.1
Currency	2.8	3.3	4.0	2.9	288.8	428.2	131.3	124.2	113.3	152.5
Equity index	7.7	7.7	8.0	8.2	1,132.0	945.1	227.6	202.1	203.4	237.1
<b>Asia and Pacific</b>	<b>7.1</b>	<b>10.7</b>	<b>8.6</b>	<b>9.5</b>	<b>1,924.1</b>	<b>1,484.4</b>	<b>365.0</b>	<b>396.6</b>	<b>455.4</b>	<b>519.1</b>
Interest rate	2.5	2.4	2.9	2.9	141.2	147.2	40.4	35.1	40.4	48.6
Currency	2.3	3.5	2.6	3.3	1,147.5	704.7	172.5	202.8	219.5	228.1
Equity index	2.3	4.9	3.2	3.3	635.4	632.5	152.1	158.7	195.4	242.5
<b>Other Markets</b>	<b>21.5</b>	<b>21.8</b>	<b>23.6</b>	<b>26.4</b>	<b>606.8</b>	<b>634.9</b>	<b>151.5</b>	<b>153.3</b>	<b>163.0</b>	<b>226.9</b>
Interest rate	16.3	19.5	19.3	21.4	369.6	402.2	95.5	100.3	106.1	154.8
Currency	1.8	1.7	2.1	2.7	113.4	101.9	23.0	22.1	27.8	35.3
Equity index	3.4	0.6	2.3	2.3	123.8	130.8	33.1	30.9	29.0	36.8
<b>Memorandum items:</b>										
<b>Commodity contracts</b>	<b>38.0</b>	<b>37.5</b>	<b>97.7</b>	<b>98.1</b>	<b>2,533.4</b>	<b>2,968.0</b>	<b>894.1</b>	<b>796.0</b>	<b>919.1</b>	<b>1,029.0</b>
US markets	27.0	23.7	77.0	81.9	728.7	749.9	170.9	191.6	271.4	291.9
Other markets	10.9	13.8	20.7	16.2	1,804.7	2,218.1	723.2	604.4	647.7	737.1
<b>Options</b>										
<b>All markets</b>	<b>123.0</b>	<b>128.9</b>	<b>134.0</b>	<b>144.1</b>	<b>6,776.0</b>	<b>4,546.0</b>	<b>923.4</b>	<b>863.5</b>	<b>970.5</b>	<b>1,060.1</b>
Interest rate	45.9	53.5	49.8	61.2	665.6	555.7	133.4	114.5	153.4	158.3
Currency	2.5	3.6	4.0	4.6	293.6	274.7	69.3	86.4	113.5	135.6
Equity index	74.7	71.8	80.2	78.2	5,816.8	3,715.6	720.8	662.7	703.6	766.3
<b>North America</b>	<b>38.9</b>	<b>35.5</b>	<b>38.3</b>	<b>45.6</b>	<b>701.8</b>	<b>634.7</b>	<b>149.1</b>	<b>152.7</b>	<b>175.0</b>	<b>215.6</b>
Interest rate	16.4	12.1	14.0	21.8	274.6	228.3	51.9	43.8	54.9	79.0
Currency	0.4	0.5	0.7	0.6	10.6	10.7	2.7	2.7	3.9	4.0
Equity index	22.1	22.9	23.6	23.1	416.6	395.6	94.5	106.3	116.2	132.6
<b>Europe</b>	<b>57.8</b>	<b>52.2</b>	<b>64.1</b>	<b>63.2</b>	<b>819.7</b>	<b>636.4</b>	<b>163.6</b>	<b>133.0</b>	<b>184.3</b>	<b>173.0</b>
Interest rate	12.7	12.8	18.0	19.7	259.0	188.7	47.9	40.6	69.9	61.0
Currency	0.2	0.4	0.2	0.3	1.1	2.2	0.5	0.8	1.2	1.0
Equity index	44.9	39.0	45.9	43.2	559.6	445.6	115.1	91.6	113.1	110.9
<b>Asia and Pacific</b>	<b>6.9</b>	<b>10.1</b>	<b>11.1</b>	<b>12.6</b>	<b>5,004.2</b>	<b>3,044.9</b>	<b>558.8</b>	<b>525.3</b>	<b>559.4</b>	<b>628.7</b>
Interest rate	0.0	0.0	0.0	0.0	5.1	5.3	1.3	1.2	1.7	1.8
Currency	0.8	1.4	1.9	2.1	256.9	237.5	59.9	76.3	97.3	117.9
Equity index	6.2	8.6	9.2	10.5	4,742.2	2,802.1	497.6	447.7	460.4	509.0
<b>Other Markets</b>	<b>19.4</b>	<b>31.1</b>	<b>20.5</b>	<b>22.7</b>	<b>250.3</b>	<b>230.0</b>	<b>52.0</b>	<b>52.6</b>	<b>51.9</b>	<b>42.7</b>
Interest rate	16.8	28.5	17.8	19.7	126.8	133.4	32.2	29.0	26.9	16.4
Currency	1.2	1.3	1.3	1.6	25.1	24.3	6.1	6.5	11.0	12.6
Equity index	1.5	1.3	1.5	1.4	98.4	72.4	13.6	17.1	13.9	13.7
<b>Memorandum items:</b>										
<b>Commodity contracts</b>	<b>20.3</b>	<b>18.6</b>	<b>29.2</b>	<b>39.3</b>	<b>172.9</b>	<b>182.1</b>	<b>46.7</b>	<b>43.1</b>	<b>57.2</b>	<b>84.3</b>
US markets	18.2	15.6	24.0	34.5	154.8	156.8	39.6	36.7	49.5	77.0
Other markets	2.2	3.0	5.2	4.7	18.1	25.3	7.1	6.4	7.7	7.3